

I Claim:

1. In combination with a multi-part housing configured to accommodate electric components and electronic components, the multi-part housing having a first housing part and at least a second housing part, the first housing part having an opening formed therein and being connectable to the second housing part, a device for locking the first housing part and the second housing part to one another, comprising:

a locking element inserted into the opening of the first housing part, said locking element being configured to be movable between a locking position and an unlocking position;

said locking element, if in the locking position, connecting the first housing part to the second housing part in at least one of a form-locking and a force-locking manner;

said locking element, if in the unlocking position, releasing a connection between the first housing part and the second housing part; and

a blocking element connected to said locking element, said blocking element blocking said locking element from being adjusted at least in the locking position.

2. The device according to claim 1, wherein the multi-part housing is a telecommunications system housing, the first housing part is a shroud, and the second housing part is a bottom housing part.

3. The device according to claim 1, wherein:

the opening in the first housing part is a slot-shaped opening defining a longitudinal direction, the slot-shaped opening has lateral borders extending substantially parallel to one another;

said locking element is disposed in the slot-shaped opening of the first housing part in a form-locking manner and said locking element is displaceable in the longitudinal direction;

said locking element has given parts configured to be in contact with sections of the lateral borders; and

said blocking element brings said given parts of said locking element into force-locking abutment against the sections of the lateral borders of the slot-shaped opening of the first housing part.

4. The device according to claim 3, wherein:

the first housing part has an outer wall; and

said locking element has an actuating surface adjacent to the outer wall of the first housing part and has a sliding and arresting body reaching through the slot-shaped opening of the first housing part.

5. The device according to claim 4, wherein said sliding and arresting body is a hollow body having wall sections, parts of said wall sections form sliding elements extending parallel to and abutting against the lateral borders of the slot-shaped opening in the first housing part.

6. The device according to claim 5, wherein:

said wall sections of said sliding and arresting body are configured to be movable perpendicularly to the longitudinal direction; and

said blocking element is disposed in said locking element and, in the locking position, brings said sliding elements of said wall sections into force-locking abutment against the lateral borders of the slot-shaped opening in the first housing part.

7. The device according to claim 6, wherein:

said wall sections of said sliding and arresting body have latching protrusions; and

said locking element is configured such that, when said sliding and arresting body is plugged into the slot-shaped opening of the first housing part, said wall sections slide along the lateral borders of the slot-shaped opening, and such that once said latching protrusions are overcome, said locking element is connected to the first housing part in a form-locking manner and said sliding elements butt against the lateral borders of the slot-shaped opening.

8. The device according to claim 5, wherein:

the lateral borders of the slot-shaped opening have notches formed therein; and

said sliding elements are sliding webs latching into said notches of the lateral borders, if said locking element is in given positions.

9. The device according to claim 8, wherein:

said sliding webs are centrally disposed on said locking element; and

the notches are disposed at the lateral borders of the slot-shaped opening, such that, in the locking position and in the unlocking position of said locking element, said sliding webs are latched in the notches.

10. The device according to claim 9, wherein:

said blocking element is a rotary locking device with an adjusting part and a rotary pin projecting perpendicularly from said adjusting part;

said adjusting part is disposed integrated in said actuating surface of said locking element; and

said rotary pin has lateral clamping webs configured to abut against said wall sections of said sliding and arresting body of said locking element if said adjusting part is rotated.

11. The device according to claim 10, wherein said adjusting part is configured to be adjustable into a locking position and an unlocking position only if said sliding webs are latched into one of the notches of the lateral borders of the slot-shaped opening of the first housing part.

12. The device according to claim 4, wherein:

the first housing part has a wall section adjacent to the slot-shaped opening, the wall section has a depression formed therein; and

said actuating surface of said locking element is disposed in the depression.

13. The device according to claim 10, wherein:

the actuating surface of said locking element has a depression formed therein configured to accommodate said adjusting part of said blocking element; and

said adjusting part is configured as a circular disk having one of an actuating slot and an actuating web formed centrally therein.

14. The device according to claim 13, wherein said actuating surface of said locking element has a keyhole opening formed therein for accommodating said rotary pin and said lateral clamping webs of said blocking element.

15. The device according to claim 14, wherein said keyhole opening is disposed diagonally in relation to said wall sections of said sliding and arresting body of said locking element.

16. The device according to claim 15, wherein:

    said adjusting part has an underside and a nose disposed on said underside, said nose is aligned with said lateral clamping webs projecting from opposite sides of said rotary pin; and

    said depression in said actuating surface has a groove formed therein for accommodating said adjusting part, said groove is configured as a part-circular groove and said nose engages in said groove.

17. The device according to claim 16, wherein said keyhole opening has a given depth with respect to said actuating surface, said lateral clamping webs of said blocking element are spaced from said underside of said adjusting part at least by an extent of the given depth of said keyhole opening.

18. The device according to claim 16, wherein said locking element has a web disposed in said groove, said web subdivides said groove into an insertion region and an adjusting region for said blocking element, said insertion region is substantially aligned with said keyhole opening and is configured to accommodate said nose.

19. The device according to claim 18, wherein said web has an oblique surface directed toward said insertion region and has a vertical surface directed toward said adjusting region, said web is configured such that once said blocking element is inserted into said locking element and said web is overcome, said blocking element is adjustable by an angular extent of said adjusting region between a locking position and an unlocking position.

20. The device according to claim 19, wherein said locking element has rounded protrusions disposed in said adjusting region for setting the locking position and the unlocking position.

21. The device according to claim 16, wherein:

    said adjusting part has a further nose disposed diametrically opposite from said nose on said underside;

    said depression in said actuating surface has a further groove formed therein, said further groove is configured as a continuous, part-circular groove for accommodating said further nose; and

    said locking element has separating webs for separating said groove from said further groove.

22. The device according to claim 13, wherein said actuating surface of said locking element has finger hollows formed therein, said finger hollows are disposed adjacent to said depression accommodating said adjusting part of said blocking element.

23. A multi-part housing configuration, comprising:

a first housing part and at least a second housing part, said first housing part having an opening formed therein and being connectable to said second housing part;

a locking element inserted into said opening of said first housing part, said locking element being configured to be movable between a locking position and an unlocking position;

said locking element, if in the locking position, connecting said first housing part to said second housing part in at least one of a form-locking and a force-locking manner;

said locking element, if in the unlocking position, releasing a connection between the first housing part and the second housing part; and

a blocking element connected to said locking element, said blocking element blocking said locking element from being adjusted at least in the locking position.

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